

Converting Colors

CIELCh(58, 67.503, 71.821)

Have a look what the booklet for
CIELCh(58, 67.503, 71.821) contains.

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Color

CIELCh(58, 67.567, 71.763)

Conversions

Conversions Part 1

Format	Color
Hex	C47B01
RGB	196, 123, 1
RGB Percent	77%, 48%, 0%
CMY	0.2307, 0.5171, 0.9950
CMYK	0.00, 0.37, 0.99, 0.23
HSL	38°, 99%, 39%
HSV	38°, 99%, 77%
XYZ	29.9150, 25.9610, 3.4706
YIQ	130.9190, 82.6700, -22.4660

Conversions

Conversions Part 2

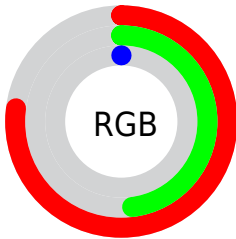
Format	Color
R_{YB}	118, 196, 1
Decimal	12876545
CIE _{Lab}	58.00, 21.14, 64.17
CIE _{LCh}	58, 67.567, 71.763
Yxy	25.9610, 0.5041, 0.4374
Android (android.graphics.Color)	4291066625 (0xFFC47B01)
YUV	130.9190, -64.0501, 57.0760
Hunter-Lab	50.9519, 15.6353, 31.6278

Details

The CIELCh color **58, 67.567, 71.763** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **36, 74.787, 294.059**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 66.699, 72.789**, and **38, 52.406, 65.341** is the 20% darker color. If you saturate the color by 10%, you get **58, 67.782, 71.607**, and if you desaturate by 10%, it is **60, 64.170, 74.278**.

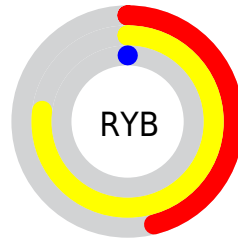
Distribution



Red (77%)

Green (48%)

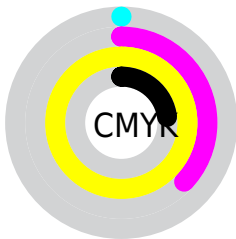
Blue (0%)



Red (46%)

Yellow (77%)

Blue (0%)

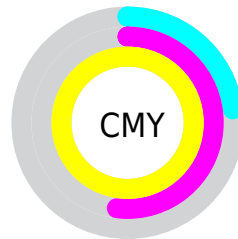


Cyan (0%)

Magenta (37%)

Yellow (99%)

Black (23%)



Cyan (23%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 67.567, 71.763 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 58, 67.567, 71.763 by changing the saturation by 10% instead.

■ 58, 67.567, 71.763

■ 58, 67.567, 71.763

■ 100, 67.567,
71.763

■ 48, 67.567, 71.763

■ 78, 67.567, 71.763

■ 38, 67.567, 71.763

■ 88, 67.567, 71.763

■ 28, 67.567, 71.763

■ 98, 67.567, 71.763

■ 18, 67.567, 71.763

■ 8, 67.567, 71.763

■ 0, 67.567, 71.763

■ 58, 67.567, 71.763

■ 58, 67.567, 71.763

■ 58, 67.782, 71.607

■ 60, 64.170, 74.278

■ 62, 58.877, 76.340

64, 52.131, 78.070

66, 44.651, 79.626

68, 36.899, 81.091

70, 29.125, 82.500

72, 21.461, 83.868

75, 13.963, 85.195

77, 6.654, 86.467

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58, 67.567, 71.763



36, 74.787, 294.059

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 67.567, 71.763



58, 67.567, 121.763



58, 67.567, 251.763



58, 67.567, 301.763

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58, 67.565, 71.766



91, 27.180, 83.717



42, 69.717, 13.210



47, 18.643, 83.134



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 67.565, 71.766



74, 82.621, 71.057



75, 80.174, 109.956



40, 3.994, 86.466



48, 58.431, 72.119



8, 12.096, 73.453

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36, 74.787, 294.059



46, 93.299, 294.901



24, 108.815, 306.638



38, 3.976, 268.951



29, 63.941, 293.693



3, 14.539, 277.831

Previews

White Background



This preview shows how the CIELCh color 58, 67.567, 71.763 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 58, 67.567, 71.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 67.567, 71.763

Background



This preview shows how black text looks on a background with the CIELCh color 58, 67.567, 71.763.



This preview shows how white text looks on a background with the CIELCh color 58, 67.567, 71.763.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58, 67.567, 71.763

Protanopia

58, 60.381, 95.018

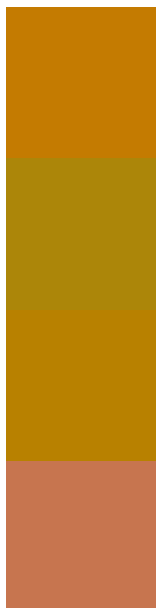
Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 36.617, 16.125

Trichromacy



Original Color
58, 67.567, 71.763

Protanomaly
58, 61.631, 85.926

Deuteranomaly
58, 64.842, 78.892

Tritanomaly
57, 44.851, 50.377

Monochromacy



Original Color
58, 67.567, 71.763

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 28.051, 81.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 67.567, 71.763 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 123, 1)` looks like.

```
.text, #text, p{  
    color:rgb(196, 123, 1)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 123, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 123, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 67.567, 71.763 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 123, 1) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(196, 123, 1) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(196, 123, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 123, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 123, 1);  
box-shadow:4px 4px 4px 4px rgb(196, 123,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 67.567, 71.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 123, 1) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
123, 1) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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